# Preliminary Blade Adjustments Manual

**The Fine Tuned Steps**

# Preliminary Blade Adjustments

The purpose of this procedure is to ensure that the blade tilt has been correctly adjusted before testing on a log. It is important that the blade has just been sharpened and is correctly tensioned before testing. Please ensure you follow all steps to ensure your blade is correctly aligned.

**Note:** All left-hand and right-hand references given in these diagrams are from the operator's side of the mill.

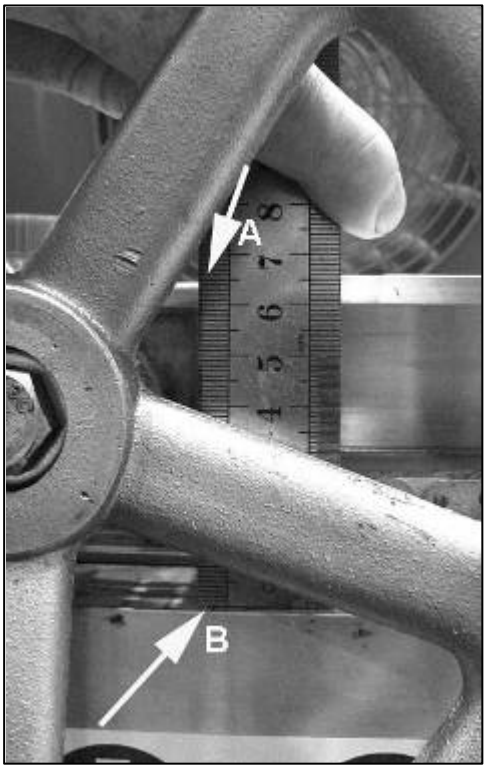
**Front – Operator's side of mill**

**Rear – Opposite side**

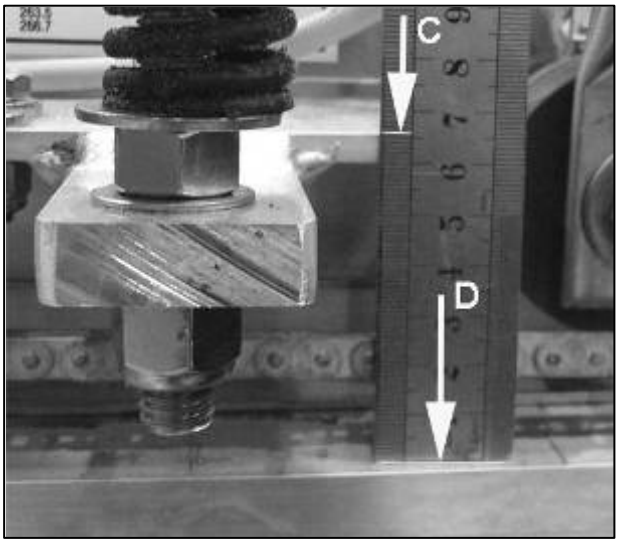
# Preliminary Blade Adjustments

### Measurements from the bed (Operator's side)

**Step 1** From the left-hand side of centre unit, measure from top of alloy box section **B** (not stainless angle) to top of centre unit angle **A**. Record measurement.



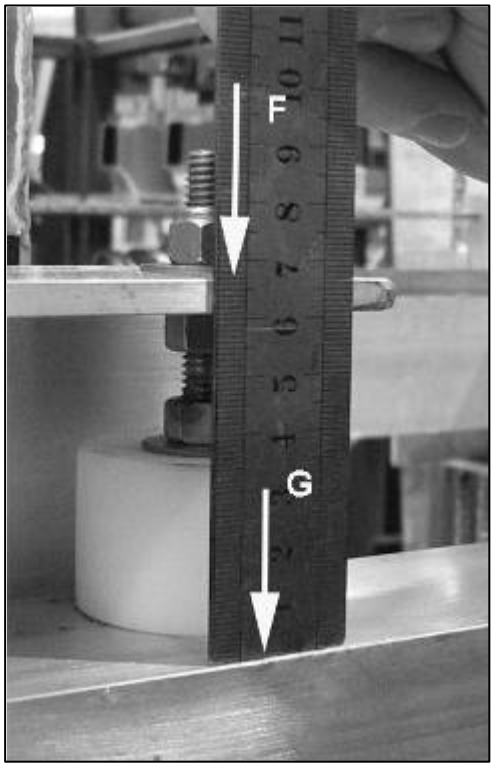

**Step 2** From the right-hand side of centre unit, repeat process in Step 1 and record measurement.



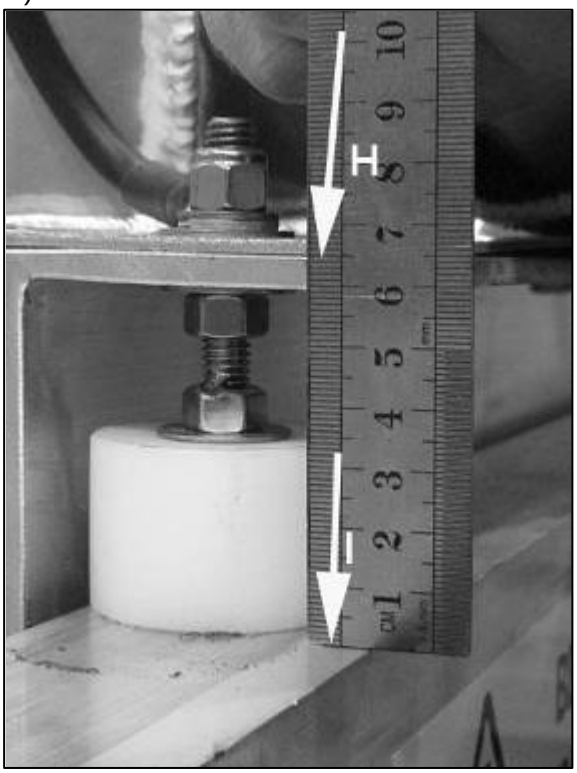
# Preliminary Blade Adjustments

### Measurements from the bed (Opposite side to Operator):

**Step 3** Measure from the top of alloy box section **G** to top of centre unit angle **F** (as shown below). Adjust height so that it corresponds with the corner directly opposite (*Refer to 'Blade Adjustments' in your user manual for height adjustment*), referring to previously recorded measurement in Step 1.




**Step 4** Repeat Step 3 for the left hand side, adjusting where necessary to the measurement recorded for the corresponding corner opposite (recorded in step 2).



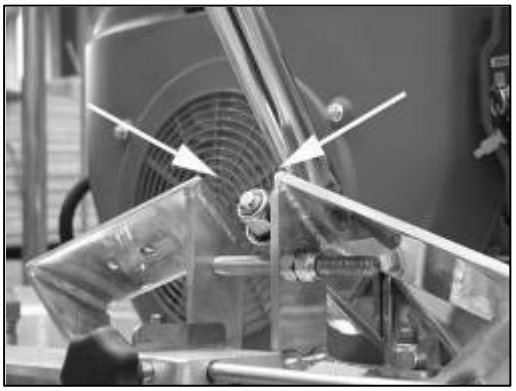
# Preliminary Blade Adjustments

## Measurements from the Blade

Before you can take measurements from the blade, you will need to remove the vertical front flap and horizontal guard by following the steps below:

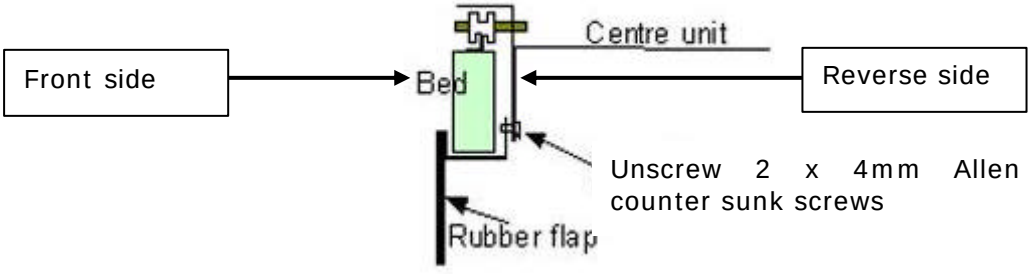
**Step 1** On an 8" or 6" mill, lock your pivot handle into the centre position as pictured below, as this will expose the 4mm Allen (Hex Wrench Head) counter sunk screws on reverse side of vertical front flap.

**Note:** If you have a 10" mill you do not need to do this, as the screws will be exposed when the blade is in the horizontal position.



**Step 2** Remove the two 4mm Allen (Hex Wrench Head) counter sunk screws located on the reverse side of the vertical flap using a 4mm Allen key (Hex Wrench).

**Cross-Section View of Centre Unit and Vertical Front Flap**

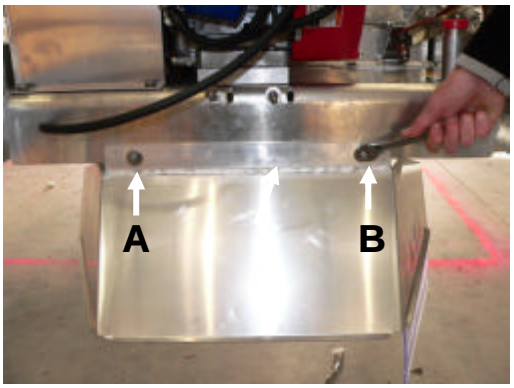



**Note:** When replacing these screws, ensure that you use a thread-locking compound such as '**Loctite 262**' thread-locker.

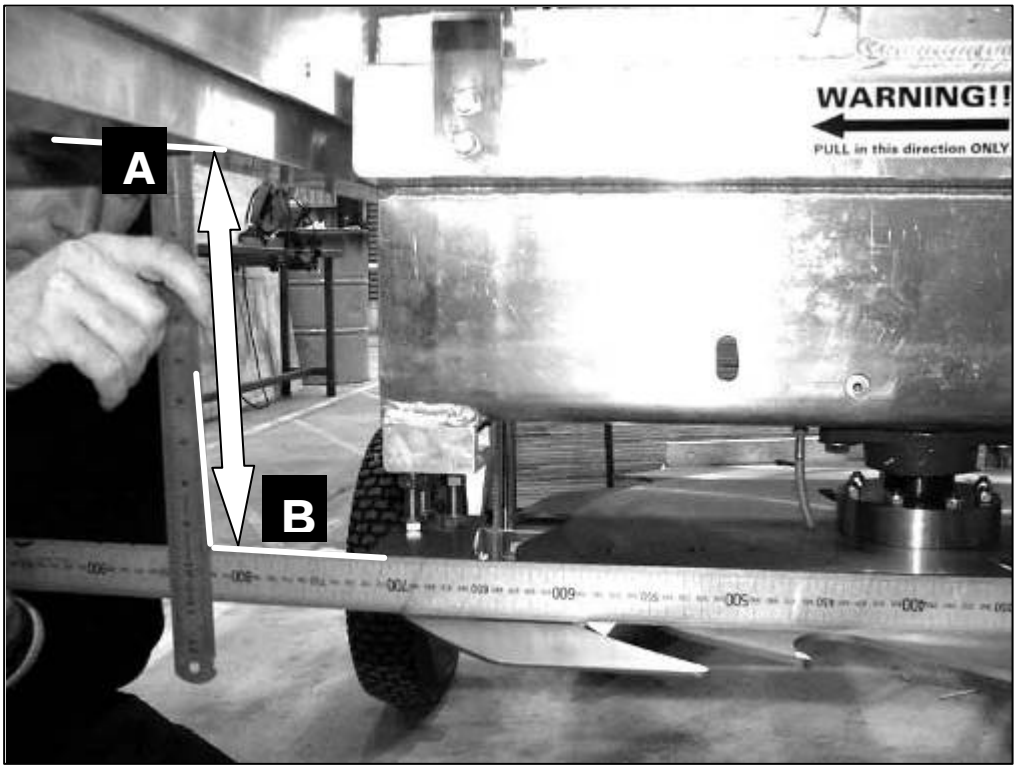
# Preliminary Blade Adjustments

## Measurements from the Blade

**Step 3** On the left hand side of your centre unit (from the operator's side), remove the horizontal sawdust guard by unscrewing the two 9/16" Nylock nuts A & B:




**Step 4** To carry out the next steps, you will need:
2 x rulers - **1 x 1 meter / 3'3"**
**1 x 30cm / 1'**
Measure the distance from the right hand side of your blade (**B**) to the underside of the alloy bed box section (**A**) as shown. Record this measurement but make sure that the ruler sitting on the blade is NOT resting on the teeth, only the blade itself.




Also, ensure that you are always placing the 1 meter / 3'3" ruler in the same place for successive measurements.

# Preliminary Blade Adjustments

## Measurements from the Blade

**Step 5** Repeat the same procedure as in Step 4 for the left-hand side of the blade. The right-hand side of the blade should be approx **1mm (0.0394")** lower than the left hand side.

**Note:** If you find that the measurement is different to the recommended 1mm (0.0394), refer to the 'Adjustments' section in your User Manual, adjust until the recommended measurement is reached. You the "how to" section in your manual called 'Adjusting the Bolts'.

**FRAME**
Check the frame as per the 'Adjustments' section in the User Manual, and adjust each corner of your frame if necessary.

Please note that these procedures are an initial starting point, and must be followed by the running adjustments as outlined in the user manual.